

Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet four of thirteen

Complete if Known

Application Number	10/089,011
Filing Date	March 25, 2002
First Named Inventor	Kenneth James Bunker
Group Art Unit	
Examiner Name	
Attorney Docket Number	7038.3011.001

U.S. PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
HCB		2,724,252		Schmal	11-22-1955	
		2,737,033		Bendall	03-08-1956	
		2,764,261		Bridges	09-25-1956	
		3,146,860		Wilson	09-01-1964	
		3,191,735		Wavak	06-29-1965	
		3,233,704		Strain et al	02-08-1966	
		3,642,101		Hauth	02-15-1972	
		3,754,624		Eldred	08-28-1973	
		3,837,420		Kobelt	09-24-1974	
		3,844,385		Szekely	10-29-1974	
		3,861,501		Brooks et al	01-21-1975	
		3,915,272		Maurice	10-28-1975	
		4,256,209		Lupertz	03-17-1981	
		4,318,306		Fischer	03-09-1982	
		4,479,569		Kummer et al	10-30-1984	
		4,534,457		Eltze et al	08-13-1985	
		4,576,255		Mery et al	03-18-1986	
		4,673,065		Gerard et al	06-18-1987	
		4,699,254		Mery	10-13-1987	
HCB		4,784,244		Carre et al	11-15-1988	

RECEIVED
JUL 12 2002
GROUP 3600

FOREIGN PATENT DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T _e
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
HCB			00/09900	WO	PCT	02-24-2000		
			00/09903	WO	PCT	02-24-2000		
			00/09904	WO	PCT	02-24-2000		
			00/09905	WO	PCT	02-24-2000		
			00/09909	WO	PCT	02-24-2000		
			00/09911	WO	PCT	02-24-2000		
			00/42332	WO	PCT	07-20-2000		
			01/03295	WO	PCT	01-11-2001		
HCB			01/15948	WO	PCT	03-08-2001		

Examiner
Signature

H.C. GRAHAM

Date
Considered

9.18.2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for

Please type a plus sign (+) inside this box

+

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet five of thirteen

Complete if Known

Application Number	10/089,011
Filing Date	March 25, 2002
First Named Inventor	Kenneth James Bunker
Group Art Unit	
Examiner Name	
Attorney Docket Number	7038.3011.001

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
1746		4,844,208		Casey	07-04-1989	
		4,863,000		Patel	09-05-1989	
		4,865,160		Casey	09-12-1989	
		4,865,162		Morris et al	09-12-1989	
		5,005,676		Gassiat	04-09-1991	
		5,358,079		Brown	10-25-1994	
		5,402,865		Harker	04-04-1995	
		5,674,026		Ishibashi et al	10-07-1997	
		6,056,089		Karlsson et al	05-02-2000	
		6,131,932		Bunker	10-17-2000	
1746		6,223,863		Bunker	05-01-2001	
		6,224,391		Bunker	06-12-2001	
		6,247,560		Bunker	06-19-2001	
		6,298,953		Bunker	10-09-2001	
		6,305,510		Bunker	10-23-2001	

RECEIVED

JUL 12 2002

GROUP

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₀
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
1746			01/33096	WO	PCT	05-10-2001		
			01/40671	WO	PCT	06-07-2001		
			01/86165	WO	PCT	11-15-2001		
			01/86167	WO	PCT	11-15-2001		
			83/01044	WO	PCT	03-31-1983		
			89/05924	WO	PCT	06-29-1989		
			96/18531	WO	PCT	06-20-1996		
1746			97/30295	WO	PCT	08-21-1997		
			97/20150	WO	PCT	06-05-1997		

Examiner Signature

M. C. GRAYMAN

Date Considered

9-18-2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/089,011
Filing Date	March 25, 2002
First Named Inventor	Kenneth James Bunker
Group Art Unit	
Examiner Name	
Attorney Docket Number	7038.3011.001

(use as many sheets as necessary)

Sheet	six	of	thirteen
-------	-----	----	----------

[illegible]

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
M/CB			98/25804	WO	PCT	06-18-1998		
			98/26191	WO	PCT	06-18-1998		
			98/26192	WO	PCT	06-18-1998		
			662,071		GB	11-28-1951		
			949,018		GB	02-05-1964		
			1,091,693		GB	11-22-1967		
			1,139,699		GB	01-08-1969		
			1,350,350		GB	04-18-1974		
M/CB			1,396,503		GB	06-04-1975		

9.18.200

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark

JUL 0 1 2002

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/089,011
Filing Date	March 25, 2002
First Named Inventor	Kenneth James Bunker
Group Art Unit	
Examiner Name	
Attorney Docket Number	7038.3011.001

(use as many sheets as necessary)

Sheet	seven	of	thirteen
-------	-------	----	----------

[illegible]

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
DSC			1530461		GB	11-01-1978		
			2015122	A	GB	09-05-1979		
			2031538	A	GB	04-23-1980		
			2034834	A	GB	06-11-1980		
			2150263	A	GB	06-26-1985		
			2156201	A	GB	10-01-1985		
			2164712	A	GB	03-26-1986		
			2184801	A	GB	07-01-1987		
DSC			2307528	A	GB	05-28-1997		

9/18/2002

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for**

Approved for use through 10/31/2002. OMB 0651-0031*

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/089,011
Filing Date	March 25, 2002
First Named Inventor	Kenneth James Bunker
Group Art Unit	
Examiner Name	
Attorney Docket Number	7038.3011.001

(use as many sheets as necessary)

Sheet	eight	of	thirteen
-------	-------	----	----------

[illegible]

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₂
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
MCE			2320299	A	GB	06-17-1998		
			2320300	A	GB	06-17-1998		
			2320301	A	GB	06-17-1998		
			2340561	A	GB	02-23-2000		
			2340562	A	GB	02-23-2000		
			2340563	A	GB	02-23-2000		
			2340564	A	GB	02-23-2000		
			2346940	A	GB	08-23-2000		
WCE			2361969	A	GB	11-07-2001		

5-15-2015

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/089,011
Filing Date	March 25, 2002
First Named Inventor	Kenneth James Bunker
Group Art Unit	
Examiner Name	
Attorney Docket Number	7038.3011.001

(use as many sheets as necessary)

Sheet	nine	of	thirteen
-------	------	----	----------

[illegible]

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
M4			2361970	A	GB	11-07-2001		
			2361971	A	GB	11-07-2001		
			2361972	A	GB	11-07-2001		
			2361973	A	GB	11-07-2001		
			1205345		GERMAN	11-18-1965		
			19810593	A1	GERMAN	06-10-1999		
			2039003		GERMAN	02-18-1971		
			3740373	A1	GERMAN	06-09-1988		
M4			0096553	A1	EUROPE	12-21-1983		

Dr. C. GRAYMAN

9. / 8. 2005.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

